SONY

3-758-981-21(1)

Microcassette™-Corder

Operating Instructions

M-425/M-527V/M-627V/ M-677V/M-727V

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Owner's Record

The model number is located at the bottom and the serial number is located inside the battery compartment. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Welcome!

Thank you for purchasing the Sony Microcassette-Corder. Some features are:

- The CUE MARKER (M-727V only) function locates a specific position of a dictation.
- The FAST PB (fast playback) function (M-527V/627V/677V/727V only) enables you to review the contents approx. 20% faster than normal playback.
- The VOR (Voice Operated Recording) system (M-527V/627V/677V/727V only) starts and stops recording automatically in response to the sound.
- Edit function—You can start recording directly from the playback mode by pressing the ● button to correct a previously recorded portion.
- Tape counter (M-627V/677V/727V only)
- Automatic shut-off mechanism at the end of the tape (in the recording/playback mode only)
- Stop-pause-release function—The pause switch is released automatically when the ■⏏ button is depressed, so that you don't miss a recording chance.
- The BATT (M-425/527V) or REC/BATT (M-627V/677V/727V) lamp indicates when to replace the batteries.

Preparing Power Sources

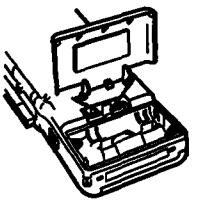
Choose one of the following power sources.

Dry Batteries

1 Open the battery compartment lid.
2 Insert two size AA (R6) batteries with correct polarity and close the lid.

If the battery compartment lid is accidentally detached

Attach it as illustrated.



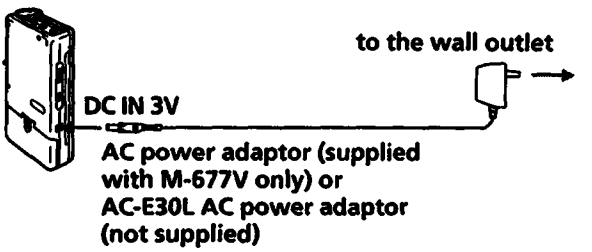
When to replace the batteries

Replace the batteries with new ones when the BATT (battery, M-425/527V) or REC/BATT (record/battery, M-627V/677V/727V) lamp dims and the sound is distorted.

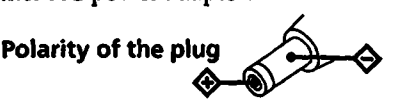
Battery life (Approx. hours)

Batteries	Recording
Sony SUM-3 (NS)	5.5
Sony alkaline AM3 (N)	14
NC-AA	4.5

House current



Connect the AC power adaptor to DC IN 3V and to a wall outlet. Use the supplied AC power adaptor (M-677V only) or the AC-E30L AC power adaptor (not supplied). Do not use any other AC power adaptor.

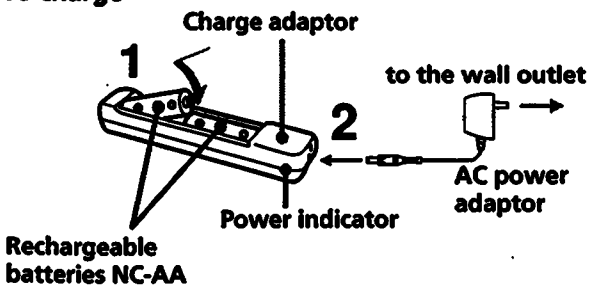


Rechargeable batteries (supplied with M-677V only)

Charge the rechargeable batteries only with the supplied charge adaptor and the AC power adaptor. The rechargeable batteries can be charged approximately 500 times.

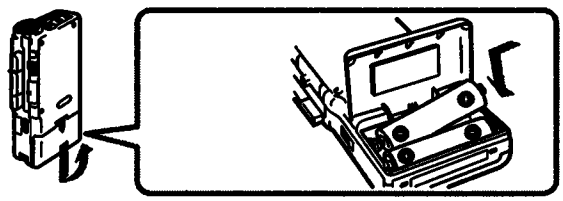
Be sure to charge the rechargeable batteries for approximately 8 hours before using them. The unit can be used for recording for approximately 4.5 hours with the fully charged rechargeable batteries.

To charge



The power indictor of the charge adaptor remains lit as long as power is supplied from the wall outlet.

To use

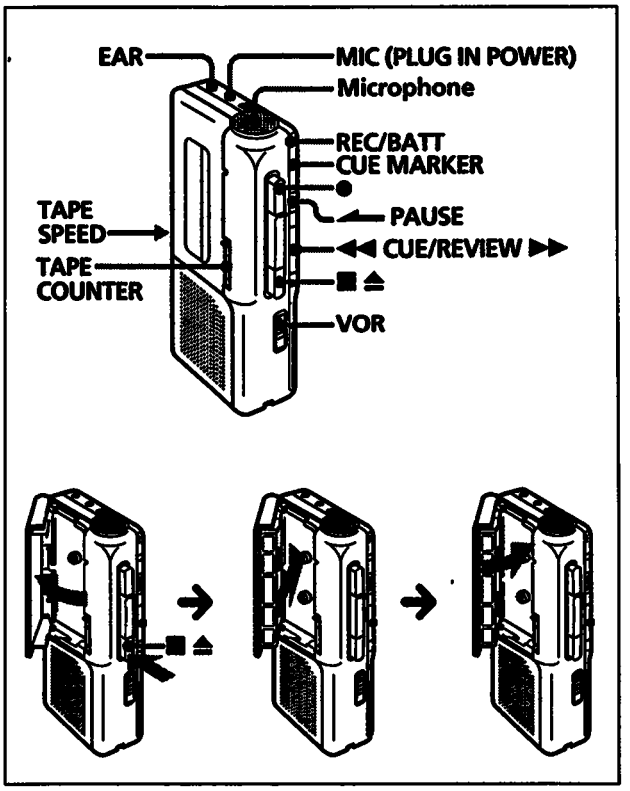


Notes

- Use the supplied two rechargeable batteries only with the supplied charge adaptor.
- If there is distortion of sound or excessive noise, or if the unit does not operate properly, turn off the unit and recharge the two rechargeable batteries together.
- The rechargeable batteries will discharge even when not in use. Be sure to charge them before use.
- Recharge the two rechargeable batteries together. Otherwise, the charging cannot be done.
- Be sure to remove the rechargeable batteries from the charge adaptor to avoid overcharging (more than 20 hours) when charging has been completed.
- Charging and operation should be made in temperature ranges 5°C to 40°C (40°F to 104°F).
- The charge adaptor will become warm during charging but this is not a sign of problem.
- Do not use or leave the charge adaptor in a location near heat sources or in a place subject to direct sunlight or excessive moisture.
- Unplug the AC power adaptor from the wall outlet when it is not to be used for long.
- Do not attempt to charge dry batteries.

Recording

Make sure that nothing is connected to MIC.



1 (M-627V/677V/727V only) Press the reset button of the TAPE COUNTER.
2 Press ■⏏ and insert a standard microcassette with the side to start recording facing the lid.
3 Select the desired tape speed.
2.4 cm for optimum sound (recommended for normal use): A 30-minute recording can be made using both sides of the MC-30 microcassette.
1.2 cm for longer recording time: A 60-minute recording can be made using both sides of the MC-30 microcassette.
4 (M-527V/627V/677V/727V only) Set VOR to H, L or OFF.
If you set VOR to H or L, the unit automatically starts recording the sound and pauses when there is no sound (you can save tapes and batteries).
H: To record at meeting or in a quiet and/or spacious place.
L: To record for dictation or in a noisy place.
When the sound is not loud enough, set it to OFF, or the unit may not start recording.
5 Press ●.
Recording starts. While the tape runs, the REC/BATT lamp (M-627V/677V/727V only) lights and flashes depending on the strength of the sound.

To	Press or slide
Stop recording	■⏏
Start recording during playback	● during playback (the unit becomes in the recording mode)
Review the portion just recorded	Push up ◀◀CUE/▶▶REVIEW toward ▶▶REVIEW during the recording. Release the button at the point to start playback.
Pause recording	Slide ⏸PAUSE in the direction of the arrow. The BATT (M-425/527V) or REC/BATT (M-627V/677V/727V) lamp goes off.
Take out a cassette	■⏏

Notes

- Select the 2.4 cm tape speed for recording, if you play back the recorded tape with another unit. Otherwise, the sound quality may be changed.
- Be careful not to press the microphone forcibly. Otherwise, the microphone will be damaged and cause noise.

Notes on VOR (Voice Operated Recording) (M-527V/627V/677V/727V only)

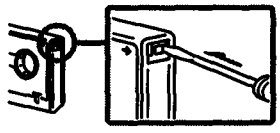
- The VOR system depends on the environmental conditions. If you cannot get the desired results, set VOR to OFF.
- When you use the system in a noisy place, the unit will stay in the recording mode. If the sound is too soft, on the contrary, the unit will not start recording. Set VOR to H (high) or L (low) depending on the conditions.

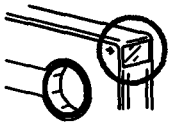
To monitor the sound

Connect the earphone (not supplied) to EAR jack. The monitor volume is fixed.

To prevent a cassette from being accidentally recorded over

Break out and remove the cassette tabs. To reuse the cassette for recording, cover the tab hole with adhesive tape.





Recording cue markers (M-727V only)

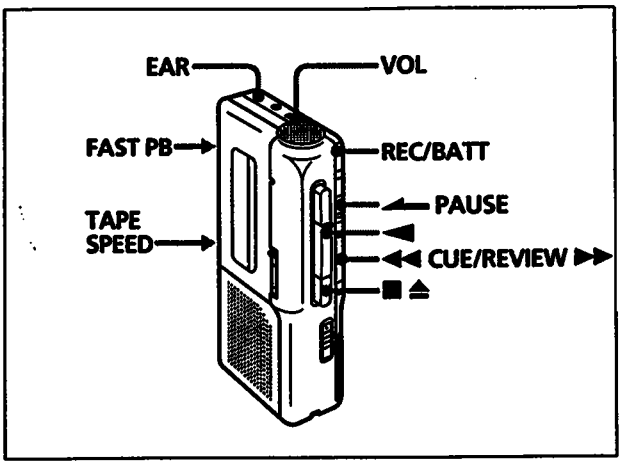
While recording, you can record a special signal on the tape to mark a specific position.
At the desired position, press CUE MARKER to record a signal. The REC/BATT lamp goes off and a signal will be recorded on the tape. If you want to record a signal longer than that, press CUE MARKER as long as you want.
During cue and review, you will hear the beep sound at the signal position. During playback, you will hear the signal with low frequency sound at the signal position.

Notes

- We recommend recording cue markers when there is a break in the sound.
- During cue and review, the beep sounds differently.
- The beep may sound differently depending on the marked position on the tape because the winding speed varies from the beginning to the end of the tape.

Playing a Tape

1 Insert a cassette with the side to start playing facing the lid.
2 Select the tape speed to the same speed as that used for recording.
3 Press ◀.
4 Adjust the volume.



To	Press or slide
Stop playback/stop fast forward or rewind*	■⏏
Pause playback	Slide ▬PAUSE in the direction of the arrow. The BATT (M-425/527V) or REC/BATT (M-627V/677V/727V) lamp goes off.
Fast forward	Slide ◀◀CUE/▶▶REVIEW toward ◀◀CUE during stop.**
Rewind	Slide ◀◀CUE/▶▶REVIEW toward ▶▶REVIEW during stop.**
Search forward during playback (CUE)	Keep ◀◀CUE/▶▶REVIEW pushed down during playback and release it at the point you want.**
Search backward during playback (REVIEW)	Keep ◀◀CUE/▶▶REVIEW pushed up during playback and release it at the point you want.**

* If you leave the unit after the tape has been wound or rewound, the batteries will be consumed rapidly. Be sure to depress ■⏏.
** The tape moves faster in the REVIEW mode than in the CUE mode.

To increase the playback speed (M-527V/627V/677V/727V only)

Slide the FAST PB switch in the direction of the arrow. The playback speed will be increased.
To return to the original speed, slide the FAST PB switch to the original position.

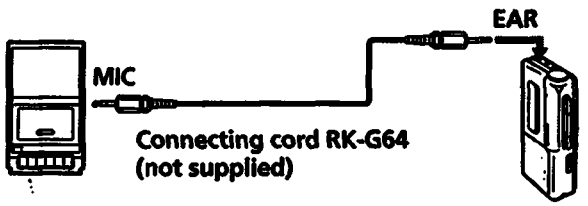
At the end of the tape

In the recording or playback mode, the tape stops at the end of the tape and the locked buttons will be released automatically (Automatic shut-off mechanism).

Recording/Playback with the Connected Equipment

Dubbing onto another tape recorder

Set this unit to the playback mode and another tape recorder to the recording mode.

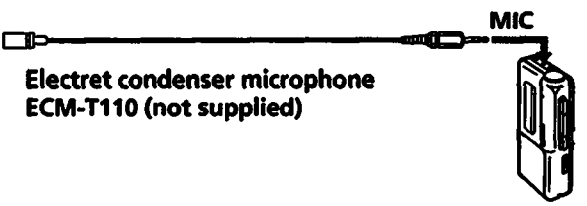


Recording from another tape recorder (M-627V/677V/727V only)

Set this unit to the recording mode and another tape recorder to the playback mode. In this case set VOR to OFF.

Recording with an External Microphone (M-627V/677V/727V only)

Connect a microphone to MIC. When using a plug-in-power system microphone, the power to the microphone is supplied from this unit.



Note

When recording with an external microphone, the VOR system may not work properly because of the difference in sensitivity.

About This Manual

This instruction manual covers M-425, M-527V, M-627V, M-677V and M-727V. Their differences are shown in the table below. The illustrations used in this manual are those of M-727V.

	CUE MARKER	TAPE COUNTER	MIC jack	BATT lamp	VOR
M-425	–	–	–	O	–
M-527V	–	–	–	O	O
M-627V	–	O	O	O REC/BATT	O
M-677V	–	O	O	O REC/BATT	O
M-727V	O	O	O	O REC/BATT	O

	FAST PB	Handstrap	Battery charge adaptor	Rechargeable batteries	AC power adaptor
M-425	–	–	–	–	–
M-527V	O	–	–	–	–
M-627V	O	O	–	–	–
M-677V	O	O	O	O	O
M-727V	O	O	–	–	–

O: provided or supplied –: not provided or not supplied

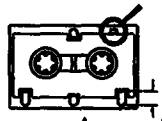
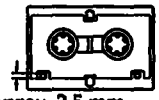
Precautions

On power

- Operate the unit only on 3 V DC.
  For AC operation, use the AC adaptor recommended for the unit. Do not use any other type. For battery operation, use two size AA (R6) batteries.

On the unit

- Use only the MICROCASSETTE™ (standard microcassettes) with this unit. Non-standard cassettes cannot be used because their "L" dimension (see illustration) is different.

Standard	Non-standard
Only standard microcassettes have a small indention of side A.	
 Approx. 5 mm	 Approx. 2.5 mm

- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Should any solid object or liquid fall into the unit, remove the batteries or disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- Keep personal credit cards using magnetic coding or spring-wound watches etc. away from the unit to prevent possible damage from the magnet used for the speaker.
- When you do not use the unit for long, remove the batteries to avoid damage caused by battery leakage and subsequent corrosion.
- If the unit has not been used for long, set it in the playback mode and warm it up for a few minutes before inserting a cassette.

RECYCLING NICKEL-CADMIUM BATTERIES (supplied with M-677V only)

Ni-Cd

NICKEL-CADMIUM BATTERY. MUST BE DISPOSED OF PROPERLY.

Nickel-Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest Sony Service Center or Factory Service Center for collection, recycling or proper disposal.

Note: In some areas the disposal of nickel-cadmium batteries in household or business trash may be prohibited.

For the Sony Service Center nearest you call 1-800-222-SONY (United States only)
For the Factory Service Center nearest you call 416-499-SONY (Canada only)

Caution: Do not handle damaged or leaking nickel-cadmium batteries.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

A cassette cannot be inserted.
- → The cassette is being inserted in the wrong way. (The cassette should be inserted in the lid with the tape side facing you.)
- → ◄ has been already pressed.

● cannot be pressed.
- → There is no cassette in the cassette compartment.
- → The cassette tab has been removed.

● or ◄ cannot be pressed.
- → The tape has reached the end.
- → After the automatic shut-off, ◄—PAUSE is slid in the direction of the arrow.

The tape stops in the cue or review mode. After the fast forward or rewind, the tape does not move even though you press ◄.
- → The batteries are weak.

The unit does not operate.
- → The batteries have been inserted with incorrect polarity.
- → The batteries are weak.
- → ◄—PAUSE is slid in the direction of the arrow.
- → The AC power adaptor or car battery cord is connected to the unit only and you are going to use the unit on batteries.

No sound comes from the speaker.
- → The earphone is plugged in.
- → The volume is turned down completely.

Tape speed is too fast or too slow in the playback mode.
- → Improper setting of the TAPE SPEED switch. Set it to the same speed as that used for recording.

The sound drops out or comes with excessive noise.
- → The volume is turned down completely.
- → The batteries are weak.
- → The head is contaminated. See "Maintenance".

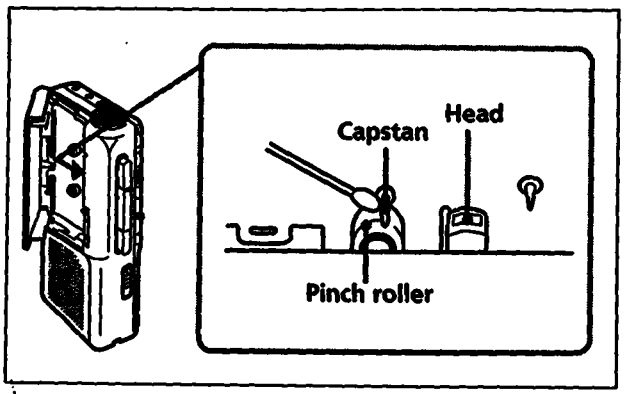
Recording cannot be made.
- → Connection is made incorrectly.
- → The batteries are weak.
- → The head is contaminated.
- → Improper setting of the VOR switch (M-527V/627V/677V/727V only). Set it to H or OFF.

Recording is interrupted.
- → The VOR switch (M-527V/627V/677V/727V only) is set to H or L. When you do not use VOR, set it to OFF.

Recording cannot be erased completely.
- → The head is contaminated.

Tape speed is faster than the normal playback speed.
- → The FAST PB switch (M-527V/627V/677V/727V only) is slid in the direction of the arrow.
- → The TAPE SPEED switch is set between the 1.2 cm and 2.4 cm positions.

Maintenance



To clean the tape head and path
Press ◄ and wipe the head, capstan and the pinch roller with a cotton swab, moistened with alcohol every 10 hours of use.

To clean the exterior
Use a soft cloth slightly moistened in water. Do not use alcohol, benzine or thinner.

Specifications

Tape
MICROCASSETTE™ (normal position type)
Recording system
2-track 1-channel monaural
Speaker
Approx. 3.6 cm (1 7/16 in.) dia.
Tape speed
2.4 cm/s (15/16 ips), 1.2 cm/s (15/32 ips)
Frequency range
250 – 4,000 Hz
Input (M-627V/677V/727V only)
Microphone input jack (minijack/PLUG IN POWER) sensitivity 0.24 mV for 3 kilohms or lower impedance microphone
Output
Earphone jack (minijack) for 8 – 300 ohms earphone
Power output
160 mW (at 10% harmonic distortion)
Battery life (recording)
See "Preparing Power Souces".
Power requirements
- Two size AA (R6) batteries: 3 V DC
- Sony AC-E30L AC power adaptor (not supplied): 120 V AC, 60 Hz
- Sony DCC-E130L car battery cord (not supplied): 12 V car battery

Dimensions (w/h/d)
Approx. 66.7 x 120.8 x 25 mm (2 3/4 x 4 7/8 x 1 in.) incl. projecting parts and controls
Mass
Approx. 180 g (6.4 oz) incl. batteries
Supplied accessories
AC power adaptor (1, M-677V only)
Battery charge adaptor (1, M-677V only)
Rechargeable batteries (2, M-677V only)

Design and specifications are subject to change without notice.

Optional accessories
Microcassette MC-60, MC-30
Earphone ME-81, ME-L82
Connecting cord RK-G64 (miniplug to miniplug with attenuator)
Electret condenser microphone (M-627V/677V/727V only) ECM-T110
AC power adaptor AC-E30L
Car battery cord DCC-E130L

SONY

Tape Cassette Player/Recorder/CD Player/Mini Disc DAT/Radio/Head Phone/Speaker/MIC/Personals

Portable Audio

LIMITED WARRANTY

SONY ELECTRONICS INC. ("SONY") warrants this Product (including any accessories) against defects in material or workmanship as follows:

1. LABOR: For a period of 90 days from the date of purchase, if this Product is determined to be defective, Sony will repair the Product at no charge, or pay the labor charges to any SONY authorized service facility. After the Warranty Period, you must pay for all labor charges.

2. PARTS: In addition, SONY will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of one (1) year. After 90 days from the date of purchase, labor for removal and installation is available from SONY authorized service facilities or a Sony Service Center at your expense.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized SONY service facility.

This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS, or consumables (such as fuses or batteries). This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from the Product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For your convenience, SONY ELECTRONICS INC. has established telephone numbers for frequently asked questions:

To locate the servicer or dealer nearest you, call:

1-(800)-342-5721

For service assistance or resolution of a service problem, call:

SONY CUSTOMER RELATIONS CENTER
1-(800)-282-2848

For Product information or operation, call:

SONY CUSTOMER INFORMATION CENTER
(201)-368-9272
or write to:
Sony Customer Information Center
One Sony Drive
Park Ridge, New Jersey 07656-8003

For an accessory or part not available from your authorized dealer, call:

1-(800)-488-SONY (7669)